

**Erratum: “On the shear flow instability and its applications to multicomponent plasmas” [Phys. Plasmas **14**, 072104 (2007)]**

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## Erratum: “On the shear flow instability and its applications to multicomponent plasmas” [Phys. Plasmas **14**, 072104 (2007)]

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In our recent paper<sup>1</sup> we have wrongly claimed that a term was missing in the second equation of the set of equations (11) in Ref. 2. In fact, in Ref. 2 the condition is used where the gradient of the relative density perturbation  $n_1/n_0$  equals the gradient of the perturbed normalized potential  $e\phi_1/(\kappa T_e)$ , which is physically justified as being in accordance with the Boltzmann relation used for electrons. In the used local approximation both terms are consequently neglected. This has been kindly pointed out to us by the author

of Ref. 2, which we gratefully acknowledge and apologize to the author. The confusion is caused by different approaches and notations. However, this has no effect on our results. In our vector notation the term in question appears as the ion diamagnetic drift which in the perpendicular part of the ion continuity equation contributes only through the polarization drift.

<sup>1</sup>H. Saleem, J. Vranjes, and S. Poedts, Phys. Plasmas **14**, 072104 (2007).

<sup>2</sup>N. D’Angelo, Phys. Fluids **8**, 1748 (1965).